



Gulf of Mexico Harmful Algal Bloom Bulletin

30 October 2006

NOAA Ocean Service

NOAA Satellites and Information Service

Last bulletin: October 26, 2006

Conditions Report

A harmful algal bloom has been identified from Pinellas to central Collier County. Patchy low impacts are possible for southern Pinellas, Sarasota, and Charlotte County today through Thursday. Patchy very low impacts are possible for northern Pinellas, Manatee, Lee, and Collier County today through Thursday.

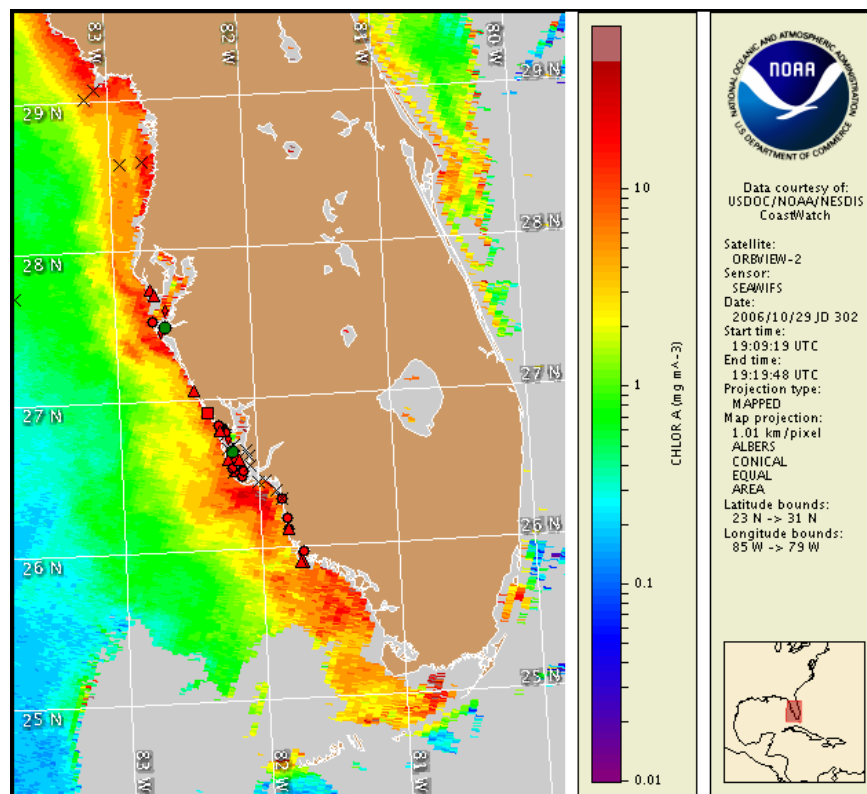
Analysis

A harmful algal bloom persists from Pinellas to Collier County. *K. brevis* concentrations increased last week from very low to high at Redington Pier in Pinellas County and at Englewood Beach in Charlotte County (10/26; FWRI). High concentrations were also reported throughout Sarasota County. Concentrations have increased slightly in the Tampa Bay region with medium counts found at Boca Ciega Bay and Skyway Pier (10/25; FWRI). Low to medium concentrations persist throughout Manatee, Lee, and Collier Counties. No samples are currently available for southern Collier County. Recent imagery (10/29) continues to indicate a distinct high patch of chlorophyll offshore of Pinellas and Sarasota County (10-20 $\mu\text{g/L}$) as well as offshore of Collier County ($>20 \mu\text{g/L}$). Continued sampling is recommended. Dead fish were reported over the past few days in Lee County around Fort Myers Beach and Sanibel Island (10/27-29; FWRI). Northeasterly winds throughout the week will minimize impacts alongshore. Continued southerly movement of the bloom is expected.

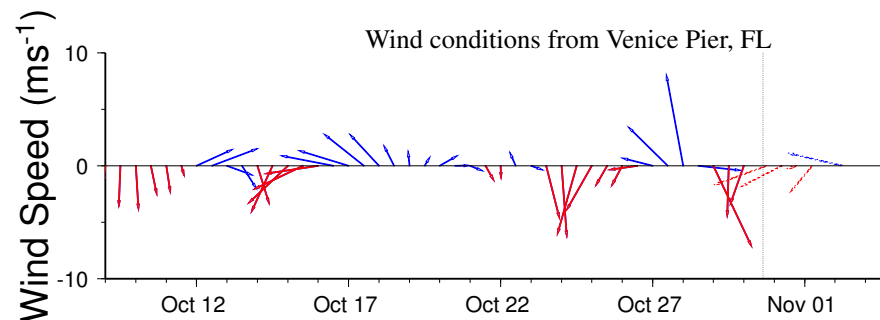
~ Keller, Allen

Please note the following restrictions on all SeaWiFS imagery derived from CoastWatch.

1. Data are restricted to civil marine applications only; i.e. federal, state, and local government use/distribution is permitted.
2. Image products may be published in newspapers. Any other publishing arrangements must receive GeoEye approval via the CoastWatch Program.

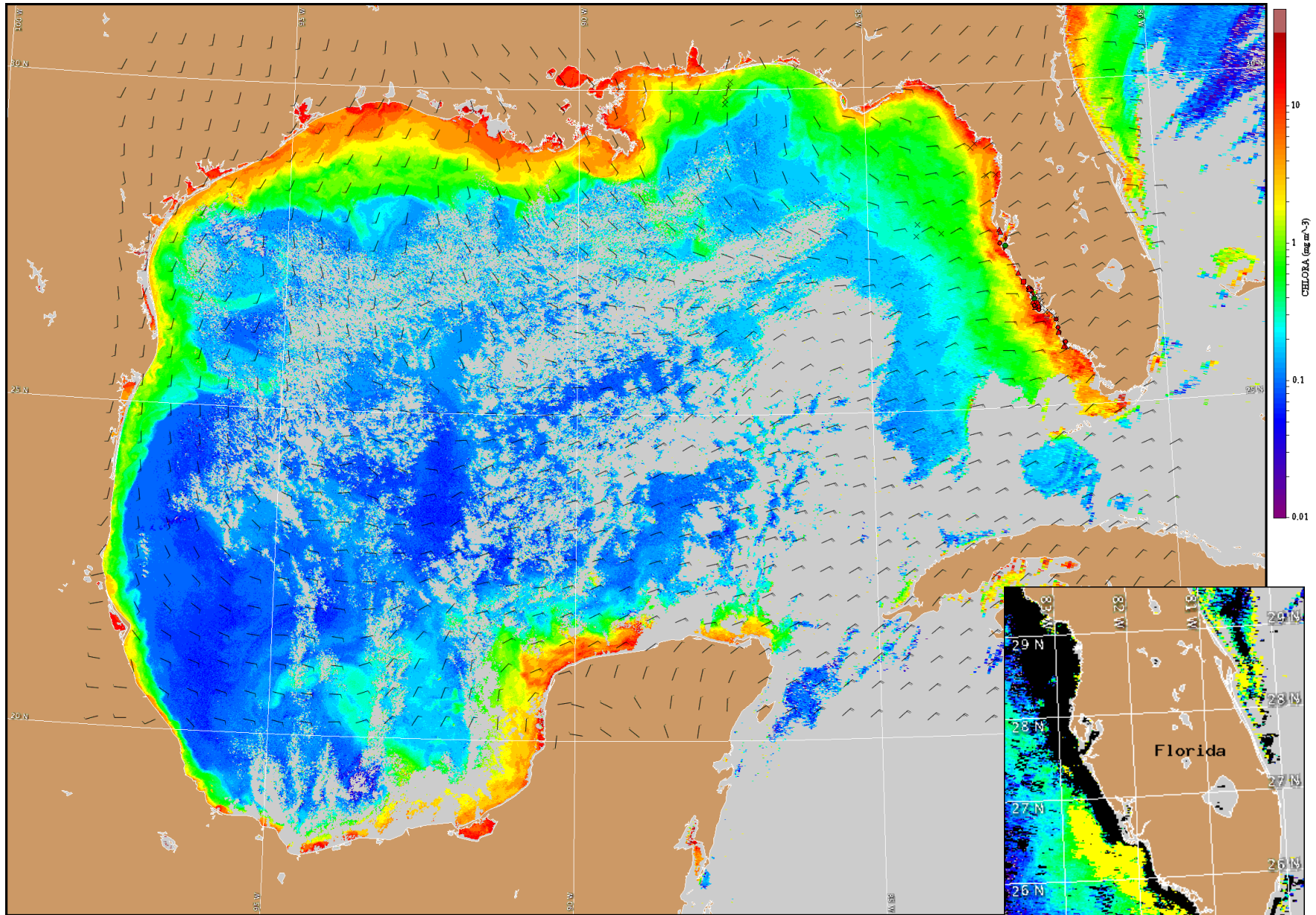


Satellite chlorophyll image with possible HAB areas shown by red polygon(s). Cell concentration categories and corresponding cell count values from Florida Fish and Wildlife Research Institute. For a key to the cell concentration descriptions, visit <http://research.myfwc.com>. Cell concentration sampling data from October 20-26 shown as red squares (high), red triangles (medium), red diamonds (low b), red circles (low a), orange circles (very low b), yellow circles (very low a), green circles (present), and black "X" (not present).



Wind speed and direction are averaged over 12 hours from buoy measurements. Length of line indicates speed; angle indicates direction. Red indicates that the wind direction favors upwelling near the coast. Values to the left of the dotted vertical line are measured values; values to the right are forecasts.

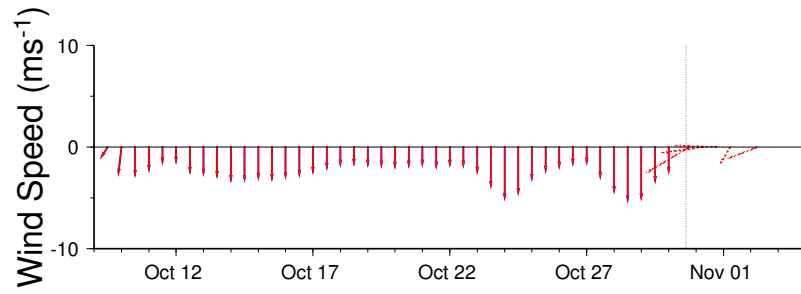
SW Florida: Northeasterly winds today and Tuesday, with easterly winds in the evenings (5-10 knots; 3-5 m/s). Northeasterly winds Wednesday through Friday (10-20 knots; 5-10 m/s).



Satellite chlorophyll image and forecast winds for October 31, 2006 12Z with cell concentration sampling data from October 20-26 shown as red squares (high), red triangles (medium), red diamonds (low b), red circles (low a), orange circles (very low b), yellow circles (very low a), green circles (present), and black "X" (not present).

Verified HAB areas shown in red. Other bloom areas shown in yellow (see p. 1 analysis for interpretation).

Wind conditions from Naples, FL



Wind conditions from Clearwater Beach, FL

